SPEED TECHNOLOGY®
An ISO 9001 : 2015 Certified Company

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Powerful 2-port ATA with Gigabit NAT Router

HT812

The HT812 is an advanced 2-port analog telephone adapter (ATA) with 2 FXS ports and an integrated Gigabit NAT router. Built upon Grandstream's market-leading SIP ATA/gateway technology with millions of units successfully deployed worldwide, this powerful ATA features exceptional voice quality in various application environments, strong encryption with unique security certificate per unit, automated provisioning for volume deployment and device management, and outstanding network performance for home and o翮 ce use.

2 LINES
Supports 2 SIP profiles and 2 FXS ports

Strong AES encryption with security certificate per unit

Automated & secure provisioning options using TR069

3 WAY
3-way voice conferencing per port

HD
Exceptional voice quality with wide-band HD codec

Supports T.38 Fax for reliable Fax-over-IP

Gigabit
Supports dual Gigabit network ports

NAT
High performance NAT router

Interfaces	
Telephone Interfaces	Two (2) RJ11 FXS ports; can be expanded by peering with an FXS gateway
Network Interfaces	Two (2) 10/100/1000Mbps RJ45 ports
LED Indicators	POWER, LAN, WAN, PHONE1, PHONE2
Factory Reset Button	Yes
Voice, Fax, Modem	
Telephony Features	Caller ID display or block, call waiting, flash, blind or attended transfer, forward, hold, do not disturb, 3-way conference
Voice Codecs	G.711 with Annex I (PLC) and Annex II (VAD/CNG), G.722, G.723.1, G.729A/B, G.726-32, iLBC, Opus, dynamic jitter buffer, advanced line echo cancellation
Fax Over IP	T.38 compliant Group 3 Fax Relay up to 14.4kpbs and auto-switch to G.711 for Fax Pass-through
Short/Long Haul Ring Load	3 REN, up to 1km on 24AWG line
Caller ID	Bellcore Type 1 & 2, ETSI, BT, NTT, and DTMF-based CID
Dial Methods	DTMF, Pulse
Disconnect Methods	Busy Tone, Polarity Reversal/Wink, Loop Current
Signaling	
Network Protocols	TCP/IP/UDP, RTP/RTCP (RFC1889, 1890), HTTP/HTTPS, ARP/RARP, ICMP, DNS, DHCP, NTP, TFTP, SSH, Telnet, STUN (RFC3489, 5389), SIP (RFC3261), SIP over TCP/TLS, SRTP, SNMP, TR-069, IMS/3GPP, IPoE
QoS	Layer 2 (802.1Q VLAN, SIP/RTP 802.1p) and Layer 3 (ToS, Diffserv, MPLS), Tra翩 c shaping
DTMF Method	In-audio, RFC2833 and/or SIP INFO
Provisioning and Control	HTTP, HTTPS, SSH, TFTP, TR-069 , secure and automated provisioning using AES encryption, syslog
Security	
Media	SRTP
Control	TLS/SIPS/HTTPS, SDP(RFC 2327), Refer (RFC 3515), Offer/Answer (RFC3265) SIP V2.0 (RFC 3261, 3262, 3264), RFC3261 ETC (3GPP TS 24.629, RFC 3515, RFC 3891, RFC 3892) SIP Session Timer (RFC 4028)
Management	Syslog support, SSH, remote management using web browser
Physical	
Universal Power Supply	Input: 100-240VAC, 50-60Hz Output: 12V/0.5A
Environmental	Operational: 32º – 123ºF or 0º – 50ºC Storage: 14º – 140ºF or -10º – 60ºC Humidity: 10 – 90% Non-condensing
Dimension and Weight	28.5 x 130 x 90 mm (H x W x D) Weight: 353.33g
Compliance	FCC/CE/RCM, K.21